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Application Number	09/898,850
Filing Date	July 3, 2001
First Named Inventor	Ungerboeck
Group Art Unit	2681
Examiner Name	unassigned
Attorney Docket Number	13226US02

Total Number of Pages in This Submission

ENCLOSURES (check all that apply)

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Remarks

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	McAndrews Held & Malloy, Ltd.
Signature	<i>Michael T. Cruz</i>
Date	January 28, 2003

EXPRESS MAIL

Label No.: EV 134752231 US:	Date: January 28, 2003
Name (Print/type)	Michael T. Cruz
Registration No. (Attorney/Agent)	44,636
Signature	<i>Michael T. Cruz</i>
Date	January 28, 2003



PATENT
Attorney Docket No. 13226US02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION OF:

G. Ungerboeck et al.

SERIAL NO.: 09/898,850

FILED: July 3, 2001

FOR: SYSTEM AND METHOD FOR
HUFFMAN SHAPING IN A
DATA COMMUNICATION
SYSTEM

GROUP ART UNIT: 2681

EXAMINER: unassigned

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Label No.: EV 134752231 US

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants submit herewith a copy of each of the following references cited for consideration in connection with the above application.

<u>U.S. Patent No.</u>	<u>Inventor(s)</u>	<u>Issue Date</u>
4,586,182	Gallager	April 29, 1986

Other Documents (Including Author, Title, Date, Pertinent Pages, Etc.)

Gottfried Ungerboeck, "Chapter 11: Huffman Shaping," Codes, Graphs, and Systems, pp. 295-310 (March 2002).

Julia Abrahams, "Variable-Length Unequal Cost Parsing and Coding for Shaping," 44 IEEE Transactions on Information Theory, No. 4, pp. 1648-1650 (July 1998).

Frank R. Kschischang, "Optimal Nonuniform Signaling for Gaussian Channels," 39 IEEE Transactions on Information Theory, No. 3, pp. 913-929 (May 1993).

Steven W. McLaughlin et al., "Shaping Codes Constructed from Cost-Constrained Graphs," 43 IEEE Transactions on Information Theory, No. 2, pp. 692-699 (March 1997).

The above references are listed on the enclosed Form PTO-1449 (in duplicate) entitled "Information Disclosure Citation."

This Supplemental Information Disclosure Statement is being submitted before the receipt of a first Office Action on the merits of the application.

Please charge any fees incurred in connection with this submission to Deposit Account No. 13-0017, in the name of McAndrews, Held & Malloy, Ltd.

Date: January 28, 2003

Respectfully submitted,



Michael T. Cruz
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